Application Serial No. 10/534,928   PATENT
Reply to office action of April 27, 2010   Docket: CU-4207

<u>REMARKS/ARGUMENTS</u>

Reconsideration is respectfully requested.

Claims 1 and 3-21 are pending before this amendment. By the present
amendment, claims 14-21 are <u>canceled</u> without prejudice; claim 1 is <u>amended</u>; and no
new claims are added. Support for the amendments may be found, *e.g.*, in page 6, lines
24-30; page 7, lines 8-12; page 16, line 32 to page 17, line 32 of the specification as
originally filed. No new matter has been added.

**In the office action (Page 3), claims 1 and 3-21 are rejected under 35 U.S.C.
103(a) as being unpatentable over U.S. Patent No. 6,272,631 ("Thomlinson") in
view of U.S. Patent No. 6,717,376 ("Lys").**

The applicants respectfully disagree and submit that the claims as they now
stand, are in condition for allowance.

Firstly, the applicants respectfully submit that Thomlinson fails to disclose "a
removable semiconductor memory device" as recited in the claims.

Independent claim1, as amended, is directed to a method for realizing data
security storage and algorithm storage by means of a **<u>removable semiconductor
memory device</u>**, wherein the removable semiconductor memory device further
comprises <u>a semiconductor storage medium module which comprises one or more
semiconductor chips</u>.

As disclosed in the specification of the present application, the semiconductor
memory device can use a flash memory as storage medium to realize the removable
storage of massive data based on the universal interface of USB, IEEE1394, etc (page
6, lines 24-30), and the semiconductor storage medium may use one or more pieces of
semiconductor chips (page 7, lines 8-12). Furthermore, the specification also describes
the semiconductor memory device in connection with figs. 9 and 10A-10C. Accordingly,
the semiconductor memory device as recited in the claims of the present application is a
portable storage device which can be connected to a host to implement removable or

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mobile data storage.

However, Thomlinson discloses a protected storage system 100 as shown in fig. 2, which is executed by a computer as shown in fig. 1. The protected storage system 100 includes a storage server 104, and a plurality of <u>installable storage provider</u> 106 and a plurality of <u>installable authentication provider</u> 108 are associated with the storage server 104. A default storage provider can store encrypted data on a hard disk or floppy disk, and a default authentication provider can identify the current computer user. Accordingly, the protected storage system 100 disclosed by Thomlinson is actually a computer system formed of a plurality of installable computing modules, which is different from the removable semiconductor device as recited in the amended claim 1.

Secondly, the applicants respectfully submit that, since the removable semiconductor device is not disclosed or suggested by Thomlinson, Thomlinson fails to disclose that the semiconductor storage medium module is divided into at least two logic memory spaces at least one of which is used for storing data to be protected. In addition, the applicants respectfully submit that Lys also fails to disclose that a removable semiconductor storage medium module can be divided into at least two logic memory spaces at least one of which is used for storing data to be protected.

Besides, according to the amended claim 1, an algorithm can be stored in at least one of the logic memory spaces as data to be protected. Therefore, <u>before an algorithm is executed, a decryption process is executed by the controller module</u> so as to guarantee the security in the algorithm execution as well as high level security in the removable data storage. The applicants respectfully submit that neither Thomlinson nor Lys hints such algorithm execution.

In light of the above, the applicants respectfully submit that claim 1 is patentable over Thomlinson and further in view of Lys. As such, the applicants respectfully submit that claims 3-13 are also patentable over Thomlinson and further in view of Lys for at least the reason that they depend from claim 1.

For the reasons set forth above, the applicants respectfully submit that claims 1 and 3-13, now pending in this application, are in condition for allowance over the cited

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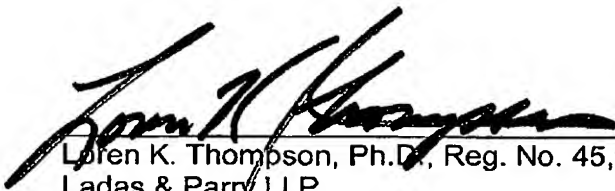Reply to office action of April 27, 2010   Docket: CU-4207

references. Accordingly, the applicants respectfully request reconsideration and withdrawal of the outstanding rejections and earnestly solicit an indication of allowable subject matter.

This amendment is considered to be responsive to all points raised in the office action. Should the examiner have any remaining questions or concerns, the examiner is encouraged to contact the undersigned attorney by telephone to expeditiously resolve such concerns.

Respectfully submitted,

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